

Title (en)
SHORT-DISTANCE MAGNETORESISTANCE IMAGING SENSOR ARRAY

Title (de)
BILDSSENSORARRAY-MAGNETWIDERSTAND MIT KURZER REICHWEITE

Title (fr)
GROUPEMENT DE CAPTEURS D'IMAGERIE À MAGNÉTORÉSISTANCE DE COURTE DISTANCE

Publication
EP 3091363 A4 20170906 (EN)

Application
EP 14876525 A 20141229

Priority
• CN 201310750924 A 20131231
• CN 2014095246 W 20141229

Abstract (en)
[origin: EP3091363A1] A low profile magnetoresistive imaging sensor array (71) based on the principle of magnetic induction, which reduces a distance (98) between a medium imaging sensor array (71) and a medium (10) by optimizing the arrangement of an application integrated circuit and a sensing element array and using an electric connection technology which can reduce the distance (98) between the medium imaging sensor array (71) and the medium (10), thereby increasing the resolution of the existing medium imaging sensor. The low profile magnetoresistive imaging sensor array (71) comprises a sensing element array and an application integrated circuit, and also comprises a circuit which provides a power for the sensing element array, a magnetoresistive sensing element array selection circuit, a signal amplification circuit, a digitizer, a memory circuit, and a microprocessor. Additionally, the sensing element array comprises at least one magnetoresistive sensing element.

IPC 8 full level
G01R 33/09 (2006.01); **G06V 30/224** (2022.01)

CPC (source: EP US)
G01R 33/072 (2013.01 - US); **G01R 33/09** (2013.01 - EP US); **G01R 33/091** (2013.01 - US); **G06V 30/2253** (2022.01 - US)

Citation (search report)
• [XYI] CN 103336251 A 20131002 - JIANGSU MULTIDIMENSION TECH CO
• [X] CN 203350427 U 20131218 - JIANGSU MULTIDIMENSION TECH CO
• [Y] CN 102968845 A 20130313 - JIANGSU MULTIDIMENSION TECH CO & US 2015294521 A1 20151015 - DEAK JAMES GEZA [CN], et al
• See references of WO 2015101244A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
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EP 14876525 A 20141229; CN 201310750924 A 20131231; CN 2014095246 W 20141229; JP 2016543714 A 20141229; US 201415109213 A 20141229